**LANRE GBENGA SADEEQ**

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**EDUCATION**

**GEORGIA SOUTHERN UNIVERISTY, GEORGIA, UNITED STATES**

Masters’ of Science, Electrical Engineering: May 2020 (3.37/4.00)

**YABA COLLEGE OF TECHNOLOGY, LAGOS, NIGERIA**

Bachelor’s degree, Electrical Engineering, October 2011 (3.51/4.00)

**CERTIFICATION**

LEAN SIX SIGMA Aveta Business Institute White belt Dec 2016

LEAN SIX SIGMA Georgia Southern University Green Belt In view

**TECHNICAL, INDUSTRIAL AND MANAGEMENT SKILLS**

* Basic python programming/Simulink project and mathlab, Minitab, Maple etc.
* LEAN manufacturing systems – 5S, 5 WHYs, DMAIC, Fishbone etc.
* Process control (SPC), process mapping, design of experiment (DOE)
* Root cause analysis, continuous process improvement and redesigning
* Equipment engineering, efficiency control, waste and yield management process
* Troubleshooting on electro-mechanical and automation systems – Programmable logic controller (PLC – SIEMENS, SCHNIEDER ELAU, BECKHOFF) ladder logic hardware configuration, I/O troubleshooting, program downloading and uploading, program modification. Industrial motor controls, variable speed drive (VFD – DANFOSS, HITACHI, pneumatic/electro-pneumatic systems, process control and instrumentation ( SENSOR, PRESSURE TRANMITTER/TRANSDUCER, LEVEL PROBE, FLOW METERS, THERMOCOUPLES), Solid state relay (SSR), contactors, relays, breakers and fuses, sensor technology, Field bus systems (ETHERNET, TCP, MPI, PROFIBUS)
* Human machine interface (HMI)/SCADA, control systems design
* Piping and Instrumentation Diagram (P&ID) and Electronic Measurement and Control (EMC), Pneumatic systems, electro-pneumatic, valve assembly, bellows
* Electrical drafting, designs, load flow analysis, fault analysis, interpretation and implementation
* AutoCAD and mechanical fittings, installation, commissioning, repair and maintenance, mechanical blueprint/assembly drawing, mechanical setting/commissioning, chain, belt, pulley, sprocket and gear maintenance, chain and belt tensioning with frequency meter, encoder setting, mechanical modification, Vernier caliper, micrometer gauge and multimeter reading,
* Rotating equipment (single/three phase), drive overload, sizing, controls, electric motor starting (DOL, STAR\_DELTA)
* Project management and execution – start up to completion
* Renewable energy, inverter systems, batteries, solar panel, UPS ( up to 415V DC for bank ATMs)
* Maintenance TPMS, corrective, predictive, preventive and breakdown

**WORK EXPERIENCE**

**INTERNATIONAL PAPER, ROME, GEORGIA, USA.**

EQUIPMENT RELIABILTY ENGINEER (Electrical, Utilities and Instrumentation) July 2020 – Till date.

* + ETAP -Power system study update, load flow analysis, cable ampacity, single line diagram.
	+ Ground fault and short circuit testing and correction.
	+ Failure analysis of power generation, transmission and distribution of substation equipment such as switchgear, transformers, circuit breakers, protection relays etc
	+ Use of safety methodologies to solve problem (RCA, FMEA, HAZOP, CP, CPk etc)
	+ Translating and analyzing statistical data into problem solving tools.
	+ Apply engineering theories, practices and principles to determine root cause of equipment failures and assist maintenance in troubleshooting efforts.
	+ Development and implementation of electrical, utilities and instruments reliability improvement projects.
	+ Application of reliability methods to achieve solutions on equipment issues and new equipment selections.
	+ Analyzing equipment and production trends, field data, machine logs to create pattern, to ensure cost cutting and cost saving.
	+ Providing solution, guide and direction to resolve problems with electrical, utility and instruments.
	+ Coaching and training of technician.
	+ Provide technical support on machinery, DCS, PLC and control systems installation, repair, troubleshooting, project scope, planning, execution and documentation.
	+ Analyses of process changes impact on equipment reliability.
	+ ACB, protection relays and MCCB inspection and testing.
	+ Coordination curve interpretation of buses, circuit breaker, fuses, switchgears etc.
	+ Analyze and guide technician to troubleshoot and resolve both mechanical and automation malfunctions and breakdowns
	+ Conduct systematic root cause analysis of problems to ensure permanent resolution and/or escalate with a detailed problem description and documentation when root cause is not identified
	+ Power system monitoring 110/13.5KV, 13.8/4.160KV, 4.160/2.4KV and 4.160KV/480v.
	+ Manage Installation rebuilding kits according to procedures and reinstate equipment into production.
	+ Analyze, identify, and take action on system performance issues, implementing correct and approved operational improvements.
	+ One- and three-line diagrams of electrical power systems using AutoCAD.
	+ Trip and short circuit fault analysis for protection relays.

**GEORGIA SOUTHERN UNIVERITY, GEORGIA, USA.**

RESEARCH ASSITANT February 2019 - May 2020

* + Evaluate designs to ensure they are 3D compactible
	+ Setting up of 3D printers and scanners
	+ Troubleshooting and maintenance of 3D printers and scanners
	+ Software installation and update
	+ STEM projects set up, using LEGO, CUBELETES and LITTLE BITS ROBOT
	+ Perform post printing processing and fishing of 3D printed parts
	+ Electronic testing and troubleshooting

**SIG COMBIBLOC OBEIKAN FZCO, DUBAI**

FIELD SERVICE ENGINEER April 2013 – December 2018

* + Implement and manage hands on daily activities of maintenance, troubleshooting and repair incl. submission of superior reports to the Service Back Office
	+ Planning, coordination and execution of planned preventive major maintenance activities to a high standard and in line with agreed procedures, ensuring effective operation of equipment
	+ Provide production support post maintenance to bring the line to pre-maintenance efficiencies or highest while maintaining a high level of customer satisfaction
	+ Analyze, troubleshoot and resolve both mechanical and automation malfunctions and breakdowns
	+ Conduct systematic root cause analysis of problems to ensure permanent resolution and/or escalate with a detailed problem description and documentation when root cause is not identified
	+ Handle claims and provide technical support and guidance to escalated claims per the claims process and through the quality department, including root cause analysis.
	+ Install rebuilding kits according to procedures and reinstate equipment into production environment with a high level of customer satisfaction.
	+ Analyze, identify and take action on system performance issues, implementing correct and approved operational improvements
	+ Proactive contribution of opportunities, business feedback to the Service Organization to promote the growth of our customer
	+ Administer track, report and audit relevant measures to ensure quality, timely and accurate information and documentation is available and accessible; accurate and timely submission of information and documentation according to existing procedures.

**PROFESSIONAL MEMBERSHIP**

National Society of Black Engineers NSBE